

# SAFE TECHNICAL INSULATION.

TECHNICAL FOAMED PLASTICS  
FOR AUTOMOTIVE AND TRANSPORTATION.

AUTOMOTIVE & TRANSPORTATION



ISOWA

## THE BETTER SOLUTION

### About ISOWA

1983 heralded the beginning of ISOWA GmbH's evolution into a quality supplier of technical foamed plastics with maximum reliability and an excellent consulting service. Our maxim: Unique projects need unique solutions. We work on custom products and services for such applications as insulating, sealing, padding and lagging with more than 200 employees at two locations. Mainly used in the automotive, HVACR, building, and manufacturing industries, our products

protect against cold, warmth, moisture, air, sound, vibrations, as well as impact and cut-related hazards. Besides finding the ideal product solution, our goal is to make the work processes of our customers easier, more profitable, and thus more successful. After all, in addition to the product itself, we also strive to find the better solution when it comes to delivery and assembly. And at the same time, no idea is too unusual and no challenge too great for us.



## AUTOMOTIVE & TRANSPORTATION

IT ALL COMES DOWN TO THE RIGHT SEAL.



### ISOWA solutions for the automotive industry: Safe, functional, custom-made.

Technical foamed plastics have countless applications in the automotive and transport industry. Water, temperature and sound must be kept in or out, the highest level of safety must be guaranteed, and aesthetic require-

ments must be satisfied. We liaise closely with our customers and develop/produce ISOWA system solutions for the interior and exterior of motor vehicles that stand up to all the challenges of this demanding industry.

We employ extremely durable materials in the production of custom-made components for car, motorcycle, bus, train, and aircraft construction. At the same time, safety and functionality always take priority.

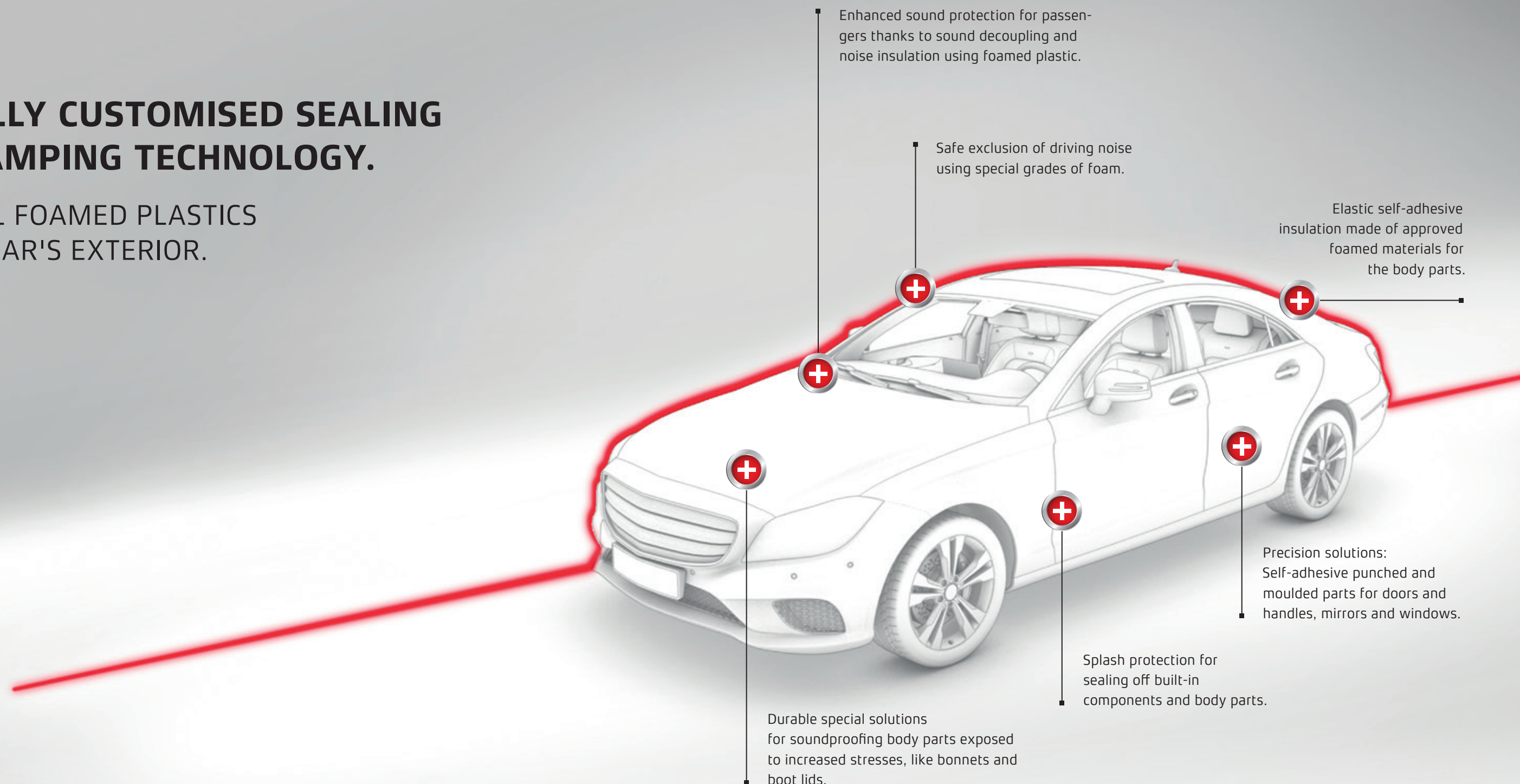
Do not hesitate to contact us if you need vehicle components that are not listed here. Our personalised approach enables us to develop custom solutions for any type of vehicle or machinery.



## EXTERIOR

# SPECIALLY CUSTOMISED SEALING AND DAMPING TECHNOLOGY.

TECHNICAL FOAMED PLASTICS FOR THE CAR'S EXTERIOR.





## FOAMED PLASTIC SOLUTIONS FOR THE EXTERIOR



We provide high-grade foamed plastics that satisfy the OEM's requirements.



For non-adhesive surfaces, we have cements available that have already won over many of our customers.



Large dimensions that go beyond standard sizes are also available at ISOWA.

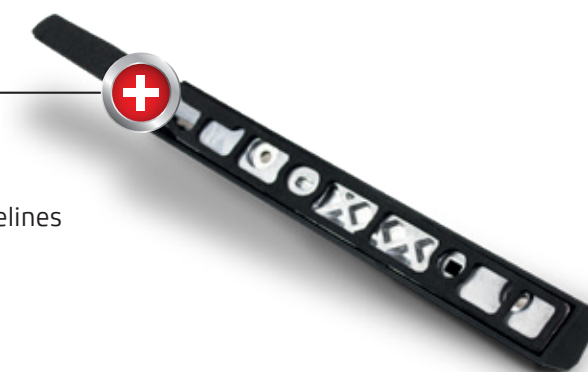
## ISOWA solutions for a quiet drive with zero vibration.

Since the exterior of a vehicle is exposed to extreme stresses, it requires highly sophisticated sealing and lagging technology. Our custom-made products enhance the durability of the bodywork and contribute to a pleasant driving experience. To protect against wear,

we use permanently elastic foams for body parts exposed to extreme stresses, such as doors, boot and bonnet. Customised insulating parts counteract unwanted noises, temperatures, and vibrations.

### Seal for roof rail and panel

Production: Kiss cut  
Material: Cellular rubber as per OEM's guidelines  
Function: Sealing off dust and moisture



### Lamp housing seal

Production: Punched  
Material: Cellular rubber or self-adhesive EPDM foam rubber  
Function: Sealing off moisture and vibration protection



We use our huge wealth of experience and broad spectrum of different materials and production techniques to find the best possible solutions for keeping out noises, odours and moisture, as well as for insulating against heat or cold.

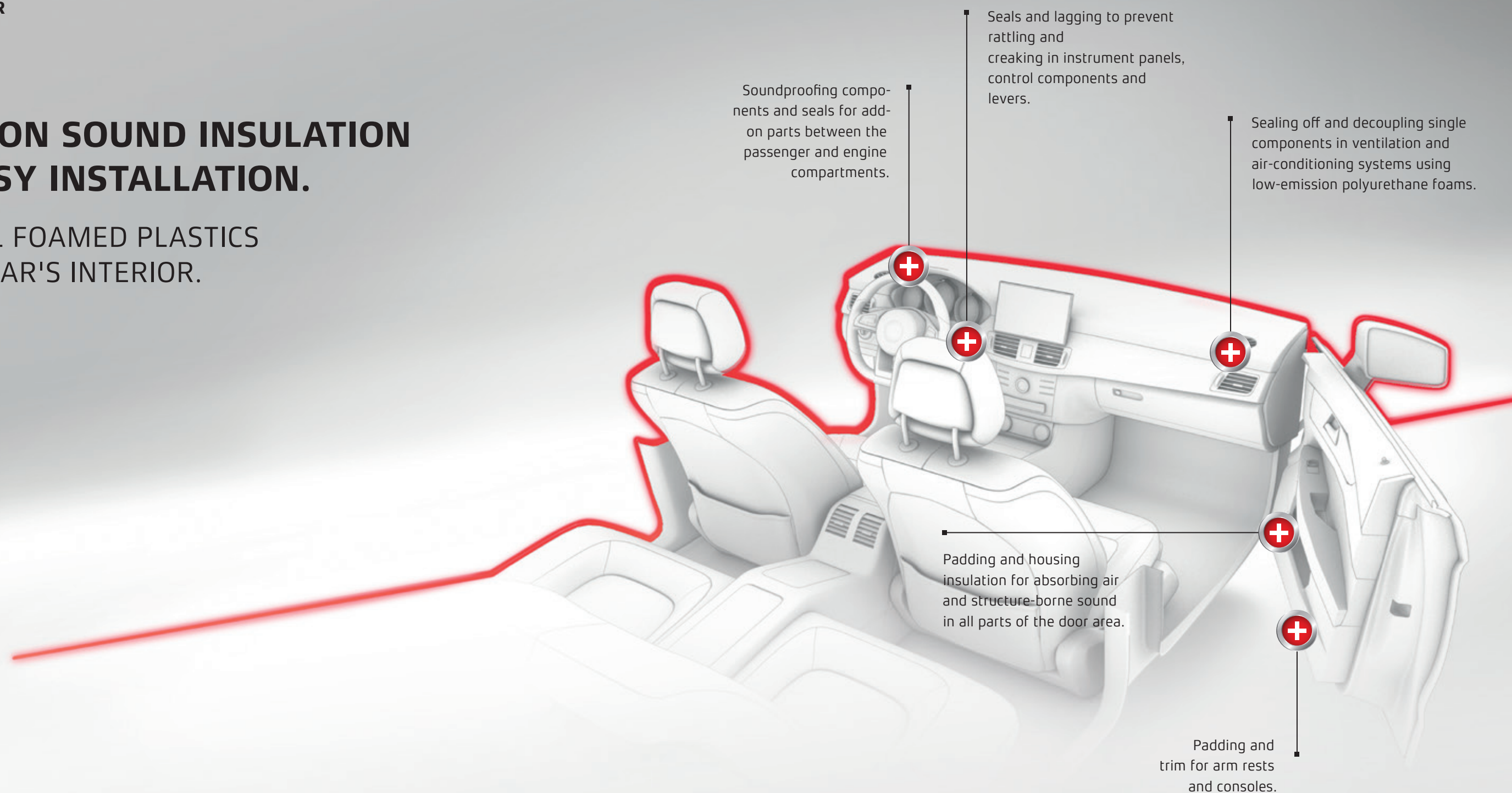




## INTERIOR

# PRECISION SOUND INSULATION FOR EASY INSTALLATION.

TECHNICAL FOAMED PLASTICS  
FOR THE CAR'S INTERIOR.







## TECHNICAL FOAMED PLASTIC SOLUTIONS FOR THE INTERIOR.

### Precision insulation – effortless installation.



Good insulation of the passenger compartment is a key quality characteristic. Custom solutions from ISOWA selectively insulate against engine or environmental noises and interior parts are installed free of vibration permanently.



We also pay attention to optimum functionality when it comes to the installation of our products. To simplify installation, they are delivered to you on spools, which is environmentally friendly and speeds up your production processes.



#### Vibration protection

Production: Kiss cut

Material: Cellular rubber, extra soft or polyethylene, self-adhesive on one side

Function: Rattle protection and prevention of draughts

Function of transparent base film:  
Safe transport in automated processing systems



## Satisfying the requirements for look, feel and acoustics.

The quality of today's vehicle is largely determined by the insulation, quietness and comfort of the passenger compartment. So, in addition to reliable insulation and sealing, the look, feel and acoustics of the passenger compartment also matter when it comes to designing the interior. Our custom solutions make it possible to satisfy exacting demands effortlessly. Engine and ambient noises are eliminated and vibration minimised, while comfortable upholstery enhances the overall impression. Developed in-house, we use our 'Elafit' soft foam to achieve the soft-touch effect, for example. This guarantees perfect upholstery and maximum driving comfort.

#### Acoustic fabric

Production: Edge-welded stamped and punched

Material: Fabric

Function: Improved acoustics



Our door trim products are not just for insulation, but also the desired acoustic design.



## COMPLEX INSULATION SOLUTIONS FROM THE **IDEAS FACTORY**.

### EIGHT STEPS TO A BETTER SOLUTION – HOW IT WORKS:

#### STEP 1

DEFINITION OF YOUR REQUIREMENTS

#### STEP 2

DETERMINATION OF THE FUNCTION

#### STEP 3

DETERMINATION OF PERMANENT AND EXTREME LOADS

#### STEP 4

SELECTION OF THE MOST SUITABLE MATERIAL

#### STEP 5

OPTIMISATION OF SHAPE AND VOLUME

#### STEP 6

DETERMINATION OF THE DESIGN

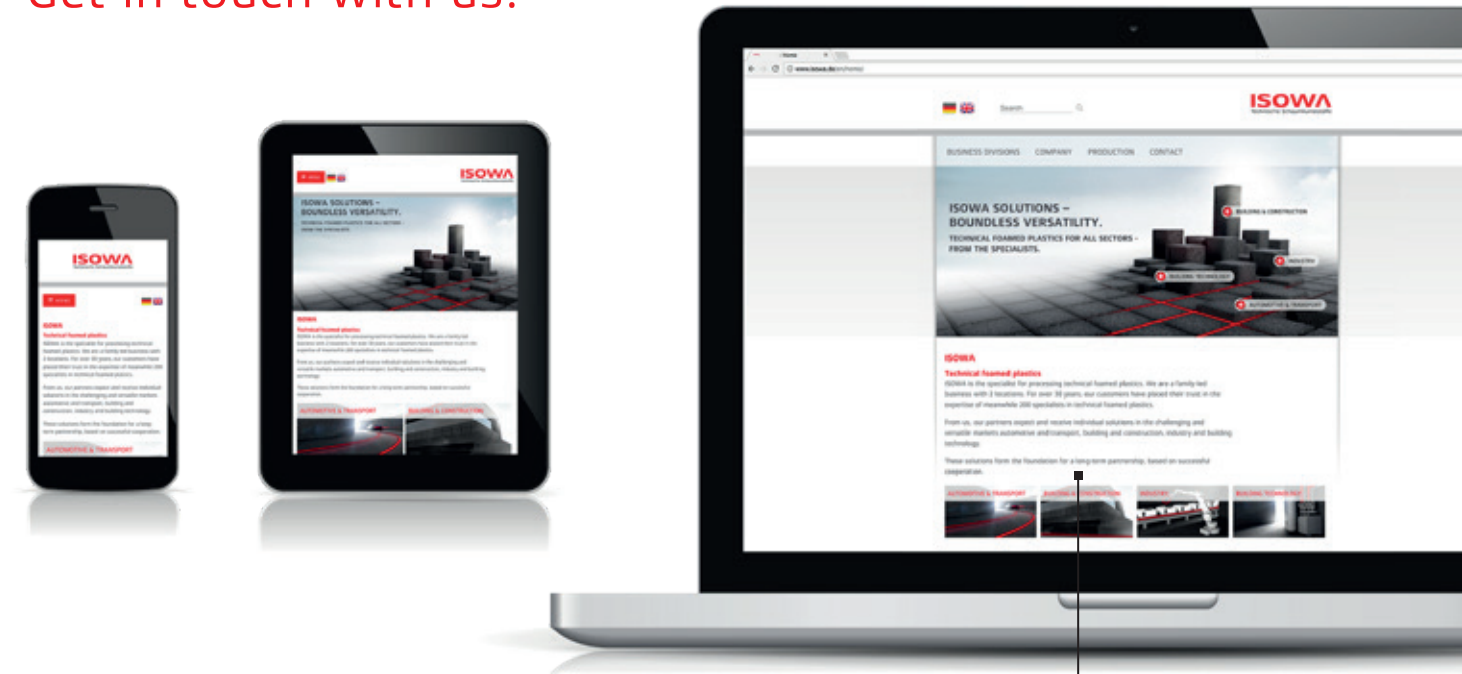
#### STEP 7

SELECTION OF THE MOST SUITABLE MANUFACTURING PROCESS

#### STEP 8

PROPOSAL OF BETTER SOLUTION

## Get in touch with us!



### How can we help you?

Our team will be pleased to assist if you have any product enquiries. Simply visit our website to find the right contact person. Contact us!



[info@isowa.de](mailto:info@isowa.de)



[www.isowa.de](http://www.isowa.de)



Phone: +49 (0) 2734 2738-0

## Quality management at its best



One of our key attributes is the high standard of quality we expect our products and services to attain. A zero-error rate is what we aspire to. To achieve this, we have had our quality management system certified, meaning our processes are reliably structured and monitored in terms of time and quality.

### Our certifications:

- ISO 9001:2008
- ISO/TS 16949:2009
- ISO 14001:2004 (environment)
- ISO 50001:2011 (energy)
- Interseroh certificate
- Interseroh certificate

Scan the QR code to download the certificates or visit our website at [www.isowa.de/en/company/downloads](http://www.isowa.de/en/company/downloads)





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